

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1308128

Luminaire Tested: LDSQA3D13R309027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

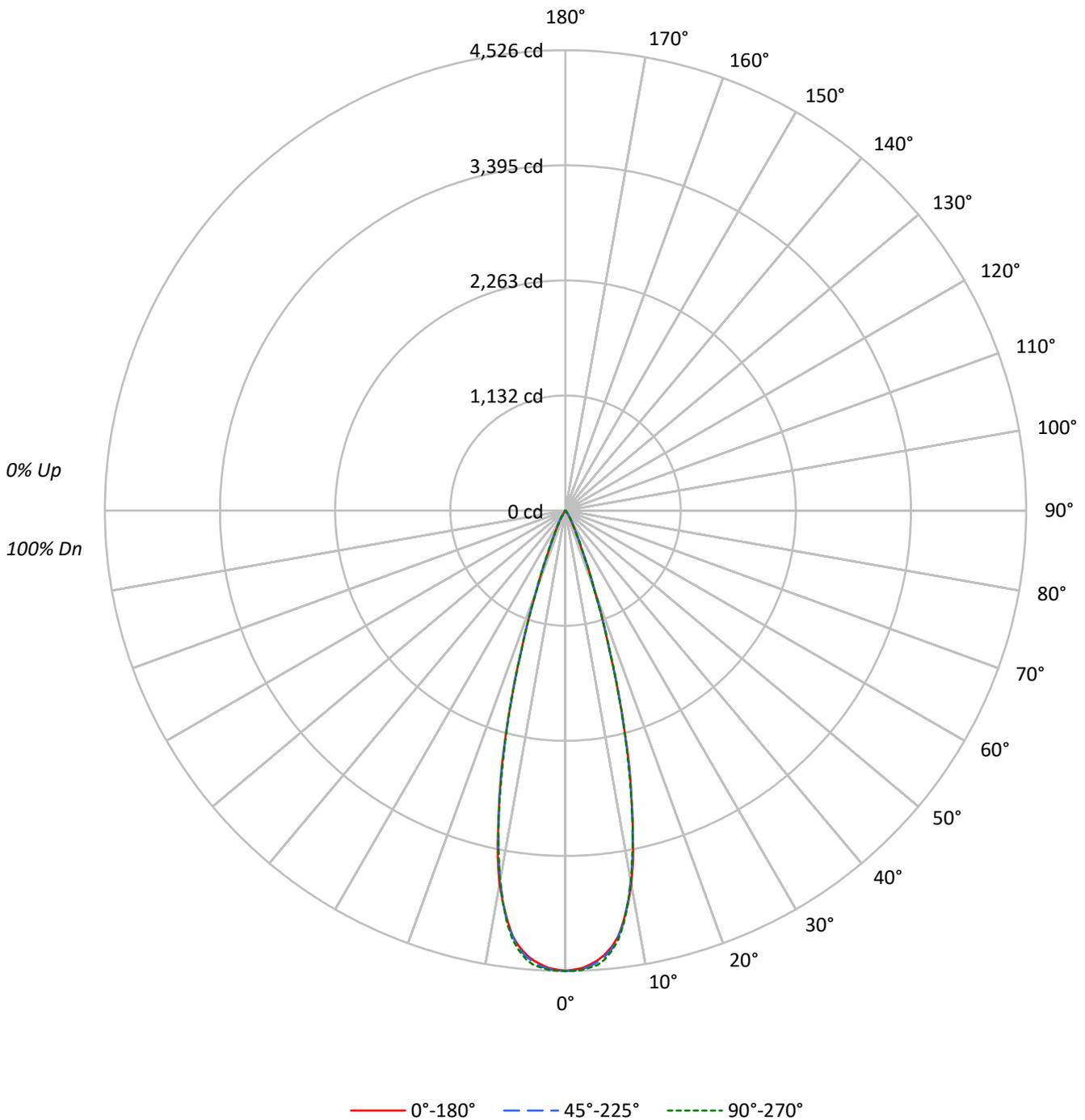
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1177.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	779394	779394	779394
5°	758046	761348	766051
10°	651846	646285	646932
15°	400529	397301	397622
20°	152430	152778	149938
25°	48495	51079	48666
30°	19509	24202	20046
35°	6307	10680	6307
40°	2855	4699	2855
45°	1096	1997	1096
50°	482	965	482
55°	540	540	540
60°	620	620	620
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.2	33.9
10°-20°	592.2	50.3
20°-30°	147.1	12.5
30°-40°	29.4	2.5
40°-50°	5.3	0.5
50°-60°	1.7	0.1
60°-70°	1.2	0.1
70°-80°	0.8	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1138.5	96.7
0°-40°	1167.9	99.2
0°-60°	1174.9	99.8
0°-90°	1177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4526	4526	4526	4526	4526	
5°	4385	4399	4404	4410	4431	399
15°	2246	2251	2228	2236	2230	594
25°	255	261	269	265	256	143
35°	30	39	51	38	30	24
45°	4	5	8	6	4	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4525.5	4525.5	4525.5	4525.5	4525.5
1°	4515.6	4521.0	4524.6	4524.6	4524.6
2°	4502.8	4506.5	4511.9	4512.8	4520.1
3°	4472.9	4481.1	4490.1	4495.6	4499.2
4°	4436.6	4447.5	4452.9	4466.5	4478.3
5°	4384.8	4399.3	4403.9	4410.2	4431.1
6°	4314.9	4325.8	4334.9	4337.6	4350.3
7°	4222.3	4227.7	4225.9	4230.4	4253.1
8°	4081.5	4083.3	4098.8	4088.8	4104.2
9°	3914.5	3907.2	3903.6	3910.8	3911.7
10°	3727.4	3702.9	3695.6	3689.3	3699.3
11°	3485.0	3453.2	3455.9	3454.1	3439.6
12°	3183.5	3179.9	3156.3	3160.8	3182.6
13°	2875.7	2882.0	2877.5	2882.9	2858.4
14°	2586.9	2556.1	2564.2	2533.4	2545.2
15°	2246.4	2251.0	2228.3	2235.5	2230.1
17.5°	1438.3	1448.3	1441.0	1434.7	1444.7
20°	831.7	830.8	833.6	825.4	818.1
22.5°	437.7	444.0	452.2	453.1	458.5
25°	255.2	260.6	268.8	265.1	256.1
27.5°	156.2	166.2	178.9	169.8	158.9
30°	98.1	106.2	121.7	107.1	100.8
32.5°	55.4	67.2	79.9	67.2	55.4
35°	30.0	39.0	50.8	38.1	30.0
37.5°	20.0	22.7	33.6	22.7	20.0
40°	12.7	15.4	20.9	15.4	12.7
42.5°	7.3	10.0	11.8	10.0	7.3
45°	4.5	5.4	8.2	6.4	4.5
47.5°	1.8	2.7	5.4	2.7	2.7
50°	1.8	1.8	3.6	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)